

FIG. I (a)

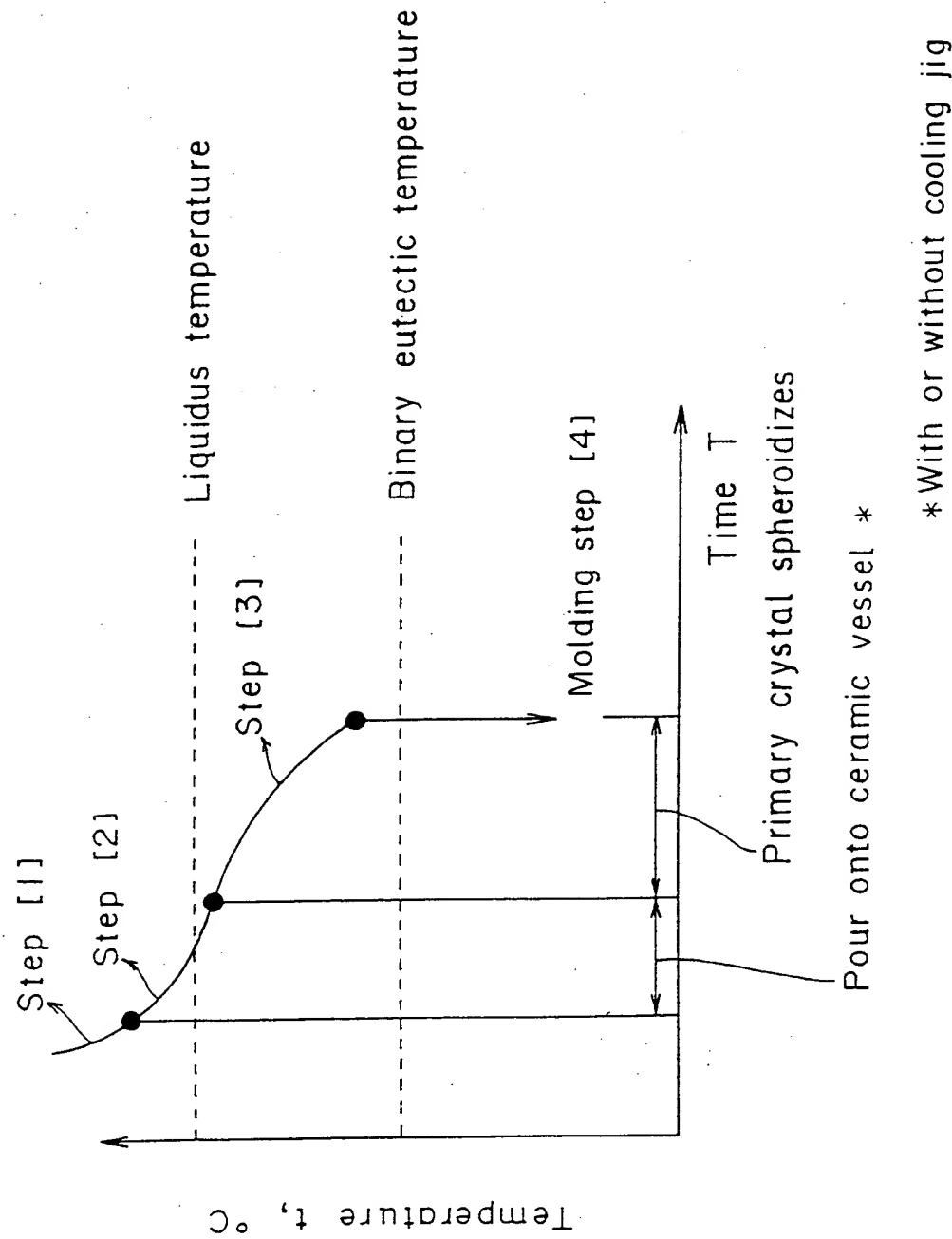
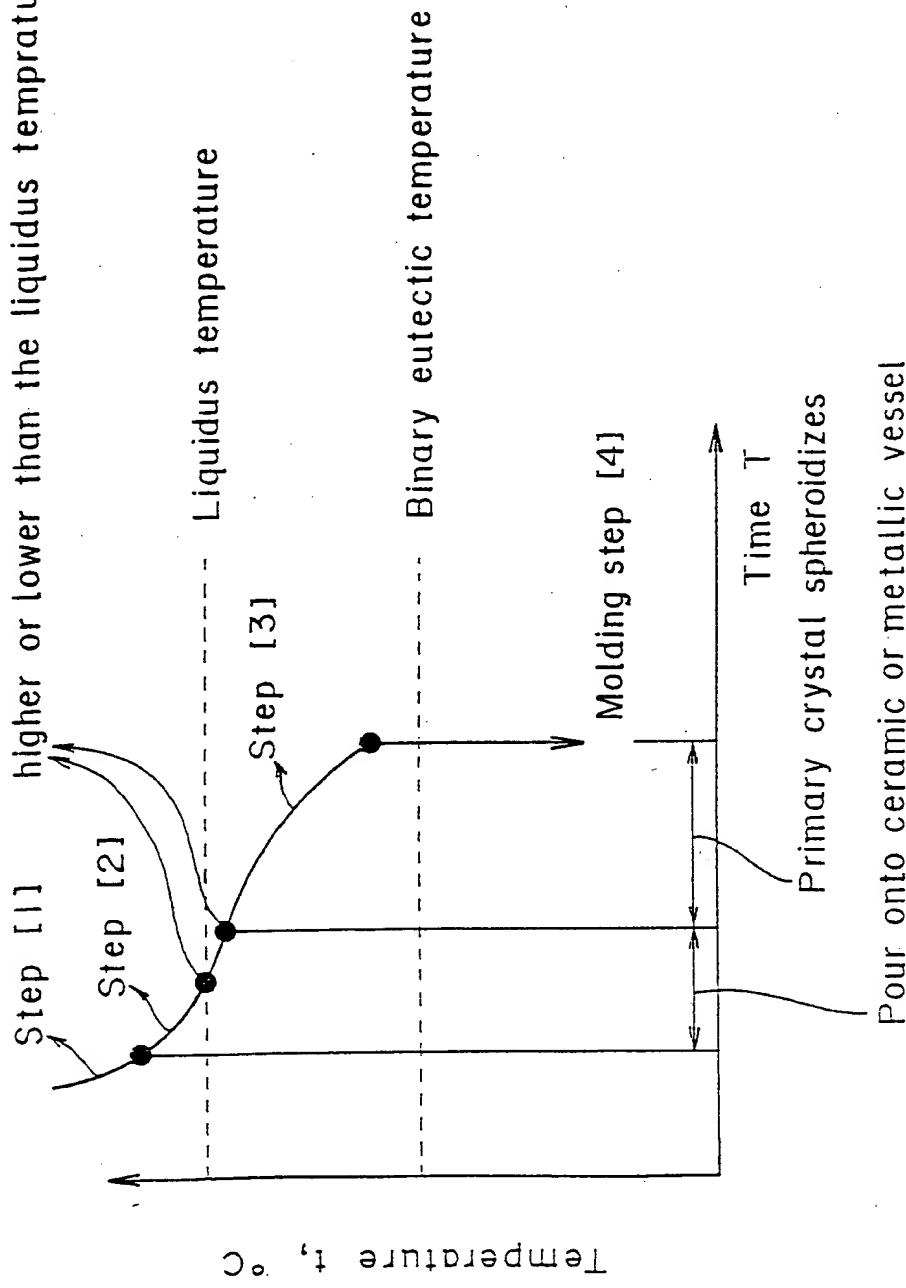


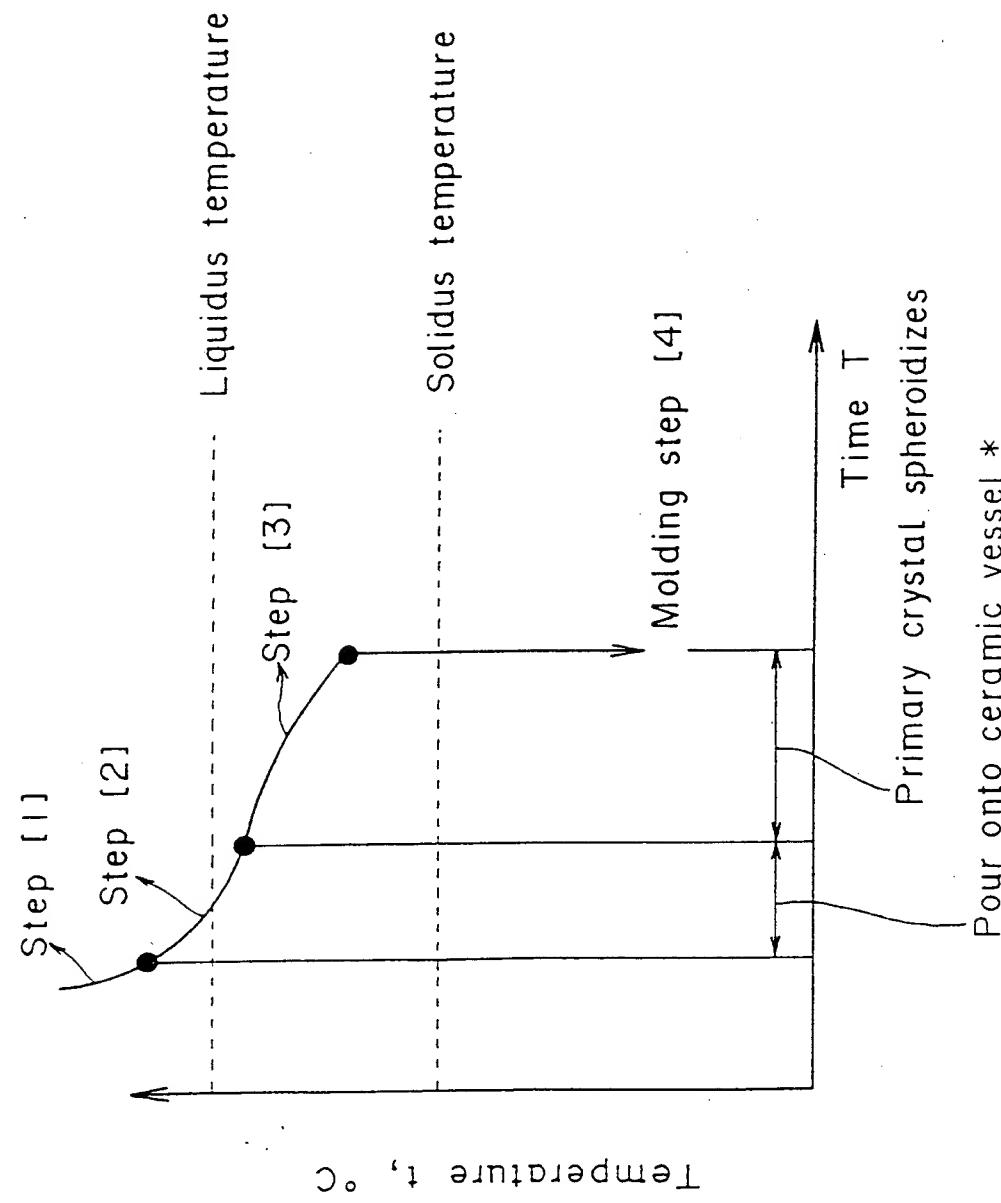
FIG. 1 (b)

Temperature of melt depends on the case and may be higher or lower than the liquidus temperature



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BY	CLASS SUBCLASS
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FIG. 2 (a)



*With or without cooling jig

FIG. 2 (b)

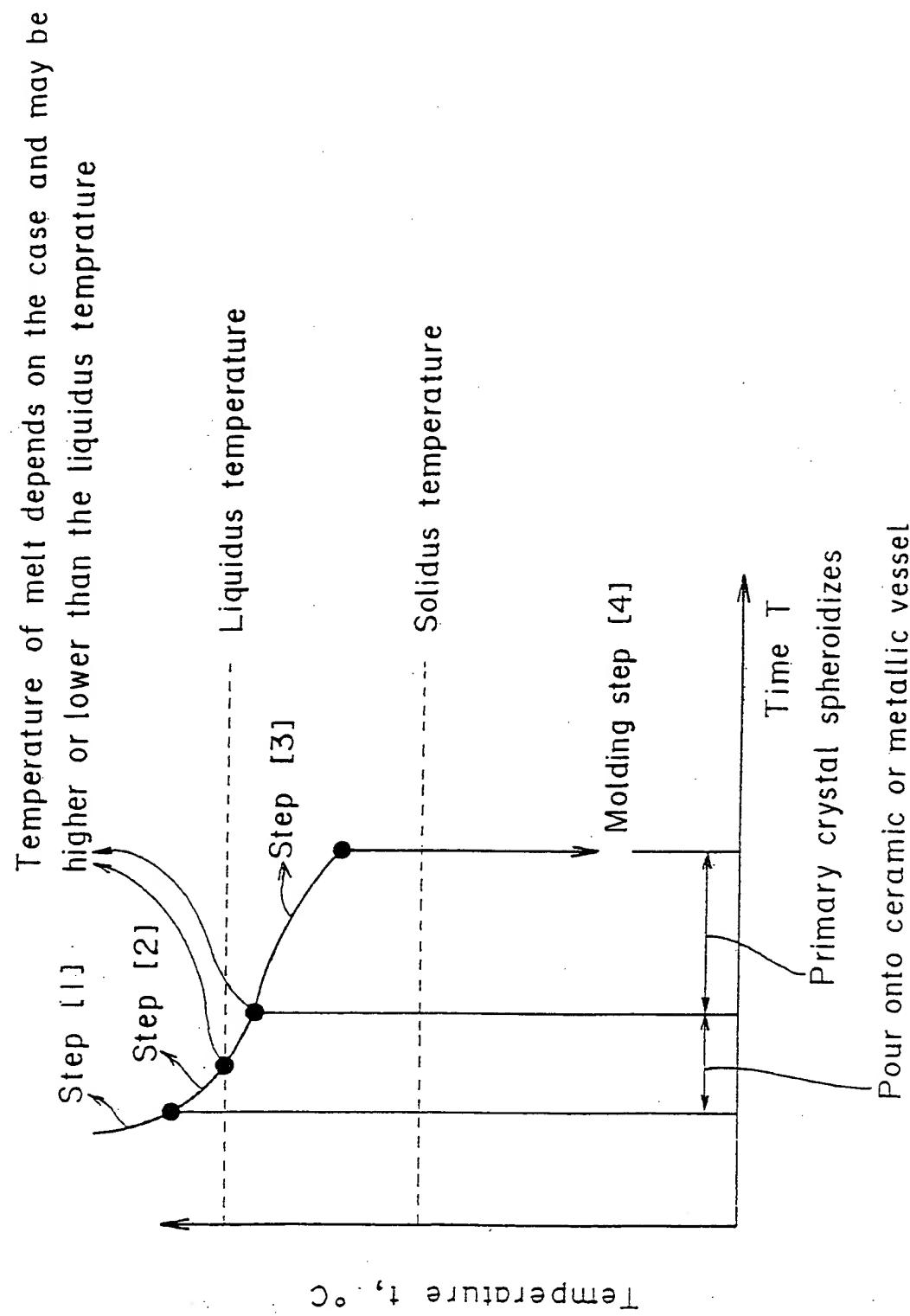


FIG. 3 (a)

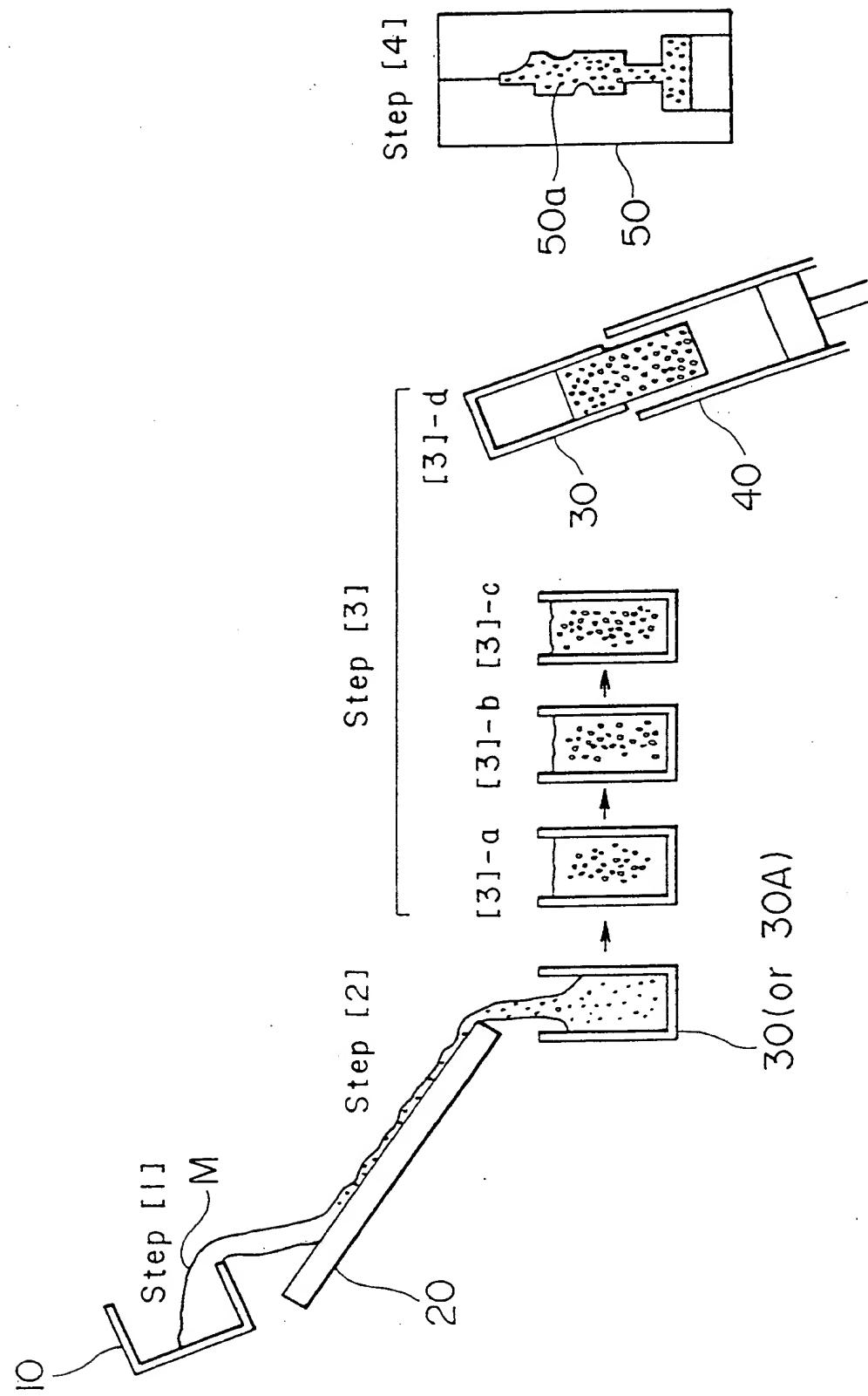


FIG. 3(b)

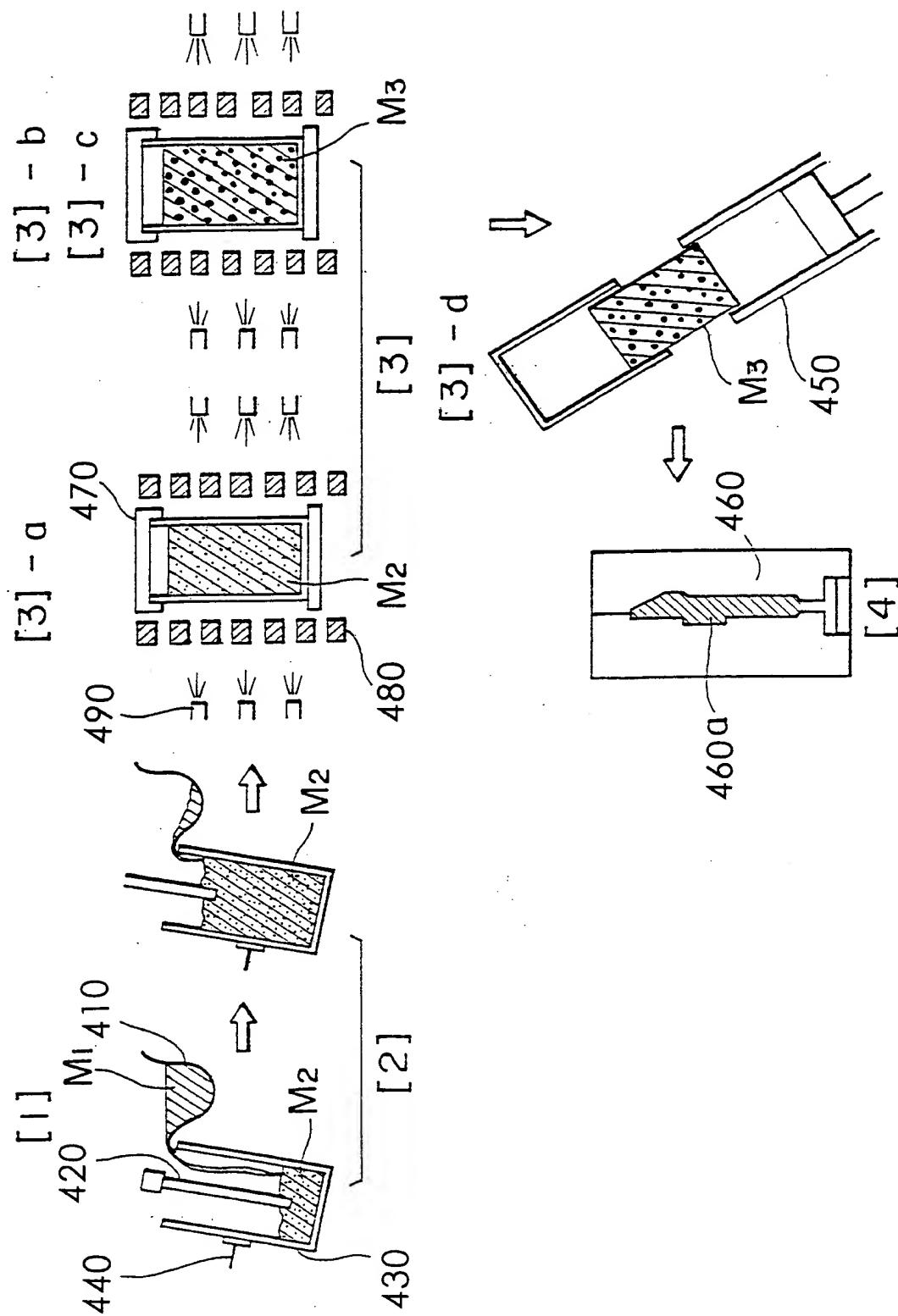


FIG. 5(a)

Superheated to no more than 100°C
 (without cooling jig) or 300°C
 (with cooling jig) above liquidus temperature

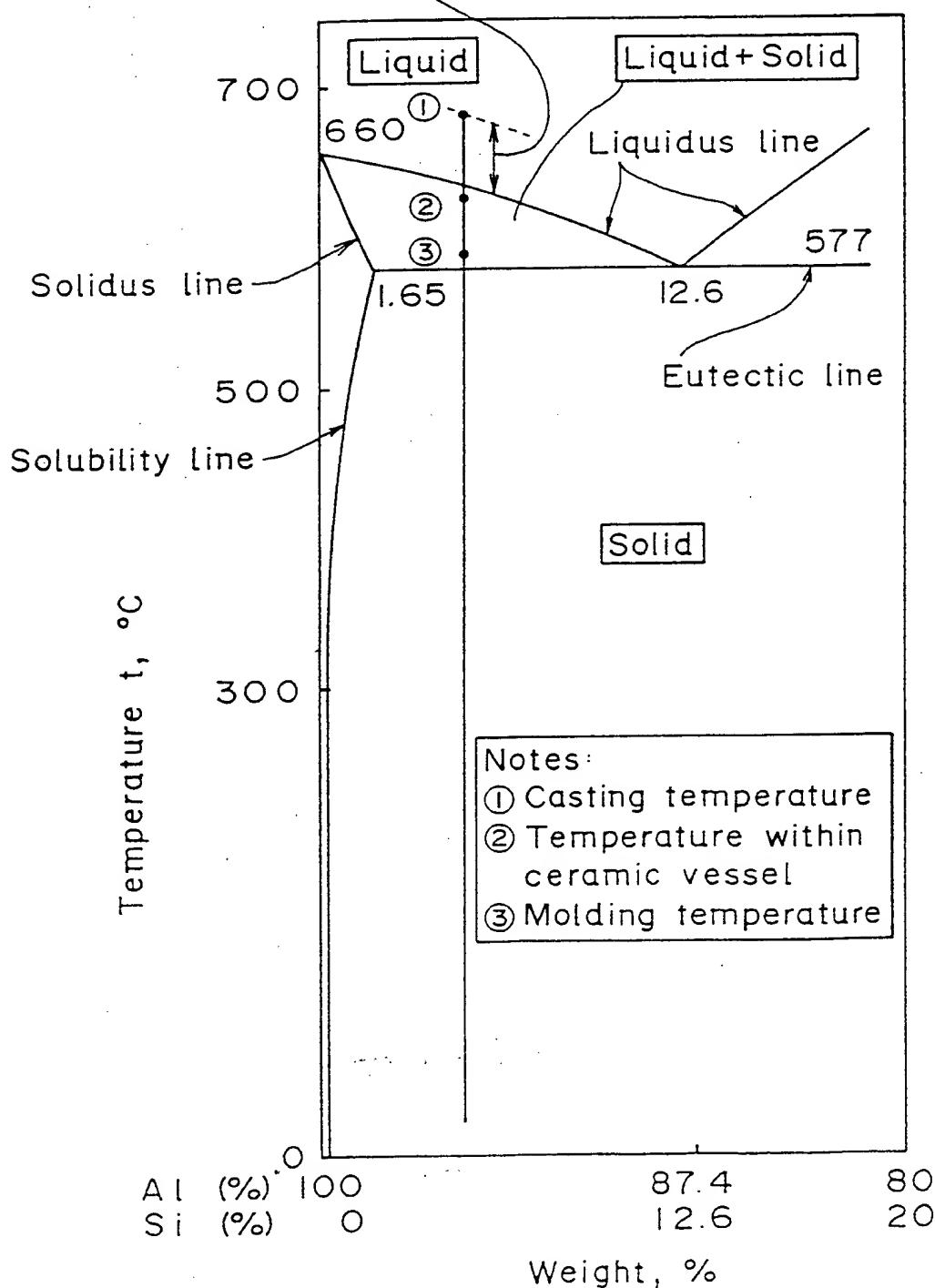
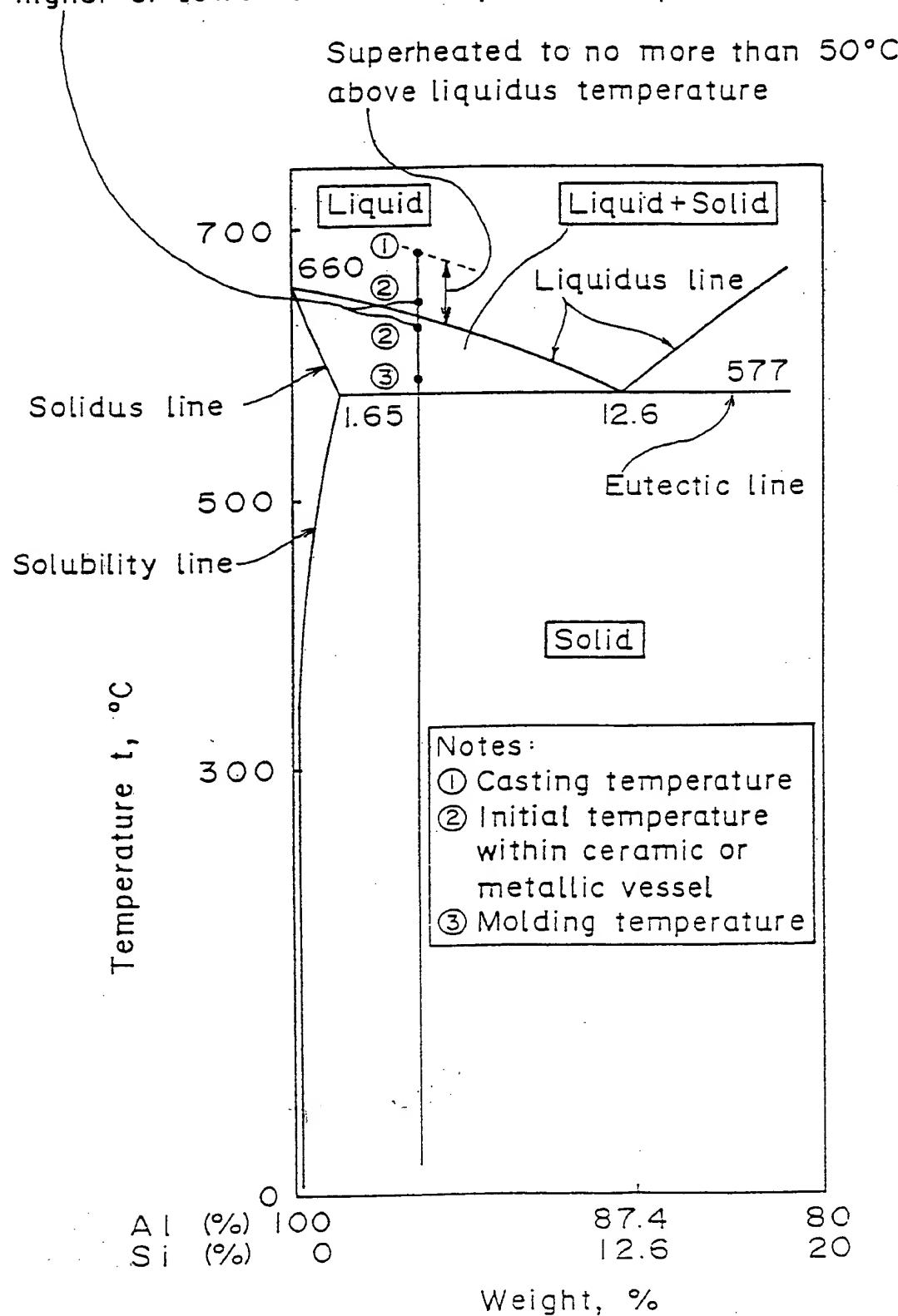


FIG. 5 (b)

Temperature of melt depends on the case and may be higher or lower than the liquidus temperature



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FIG. 6(a)

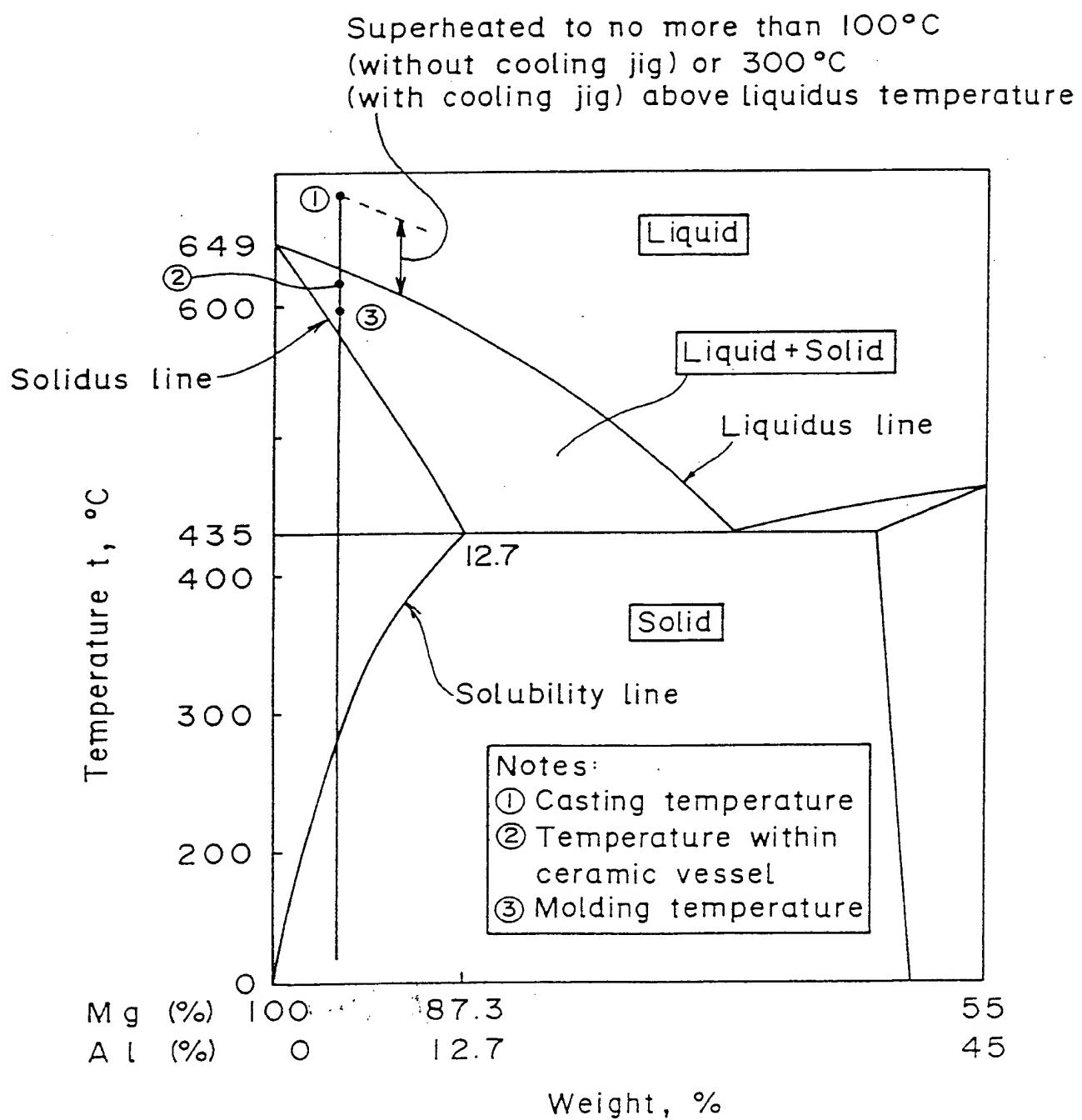


FIG. 6 (b)

Temperature of melt depends on the case and may be higher or lower than the liquidus temperature

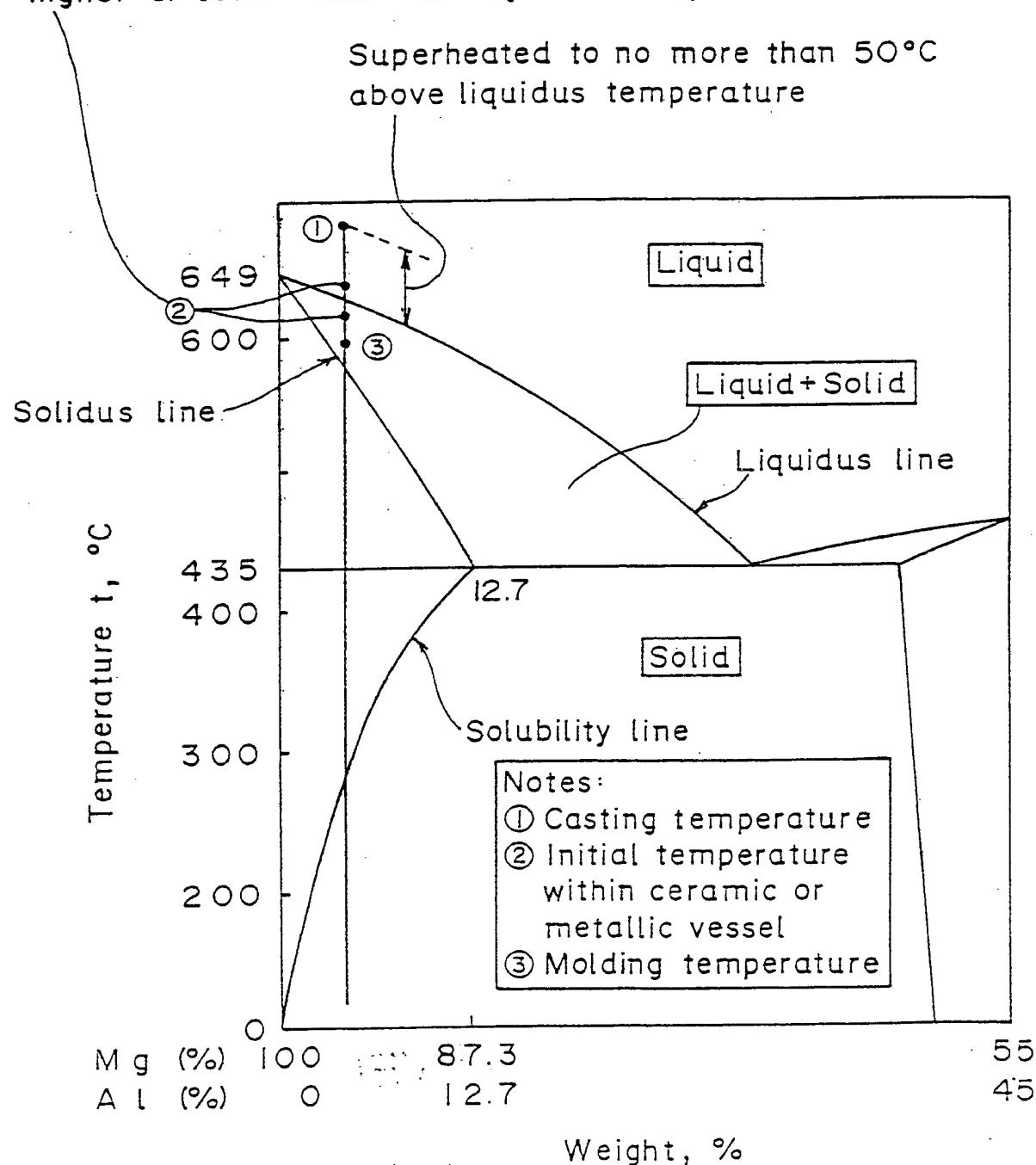
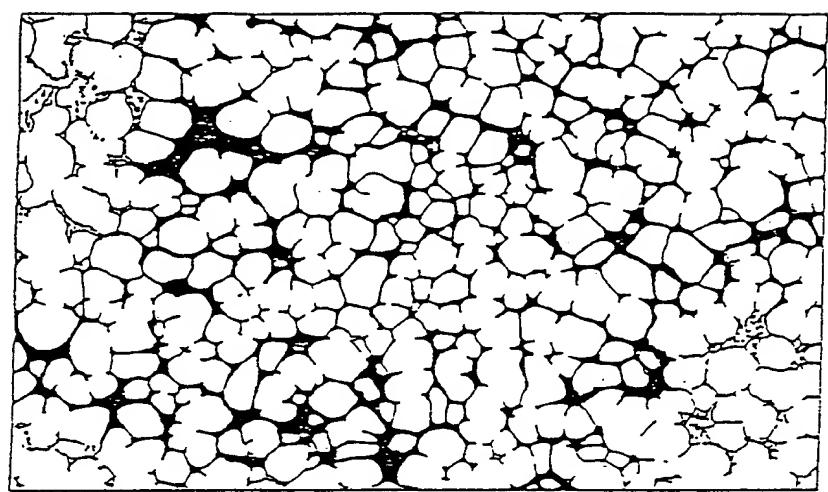


FIG. 7(a)

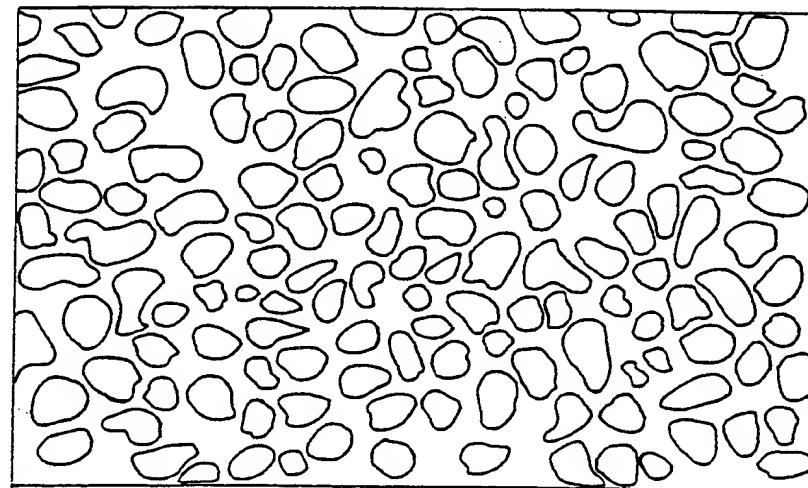


100 μ m

FIG. 8(a) Prior Art

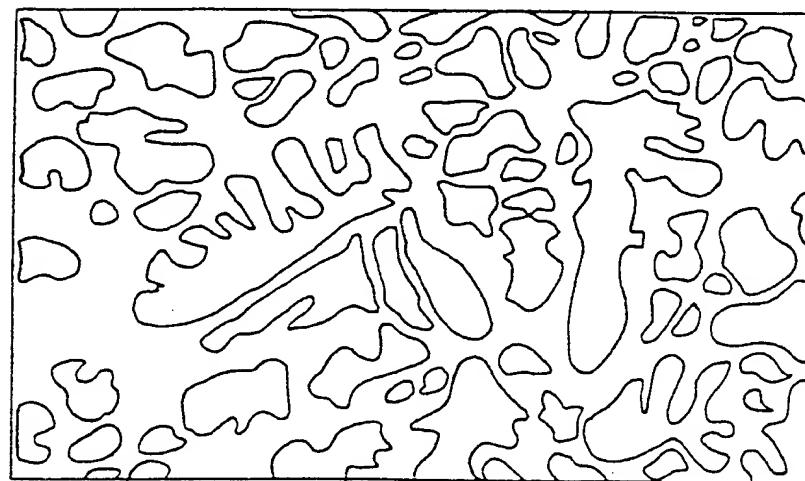


100 μ m



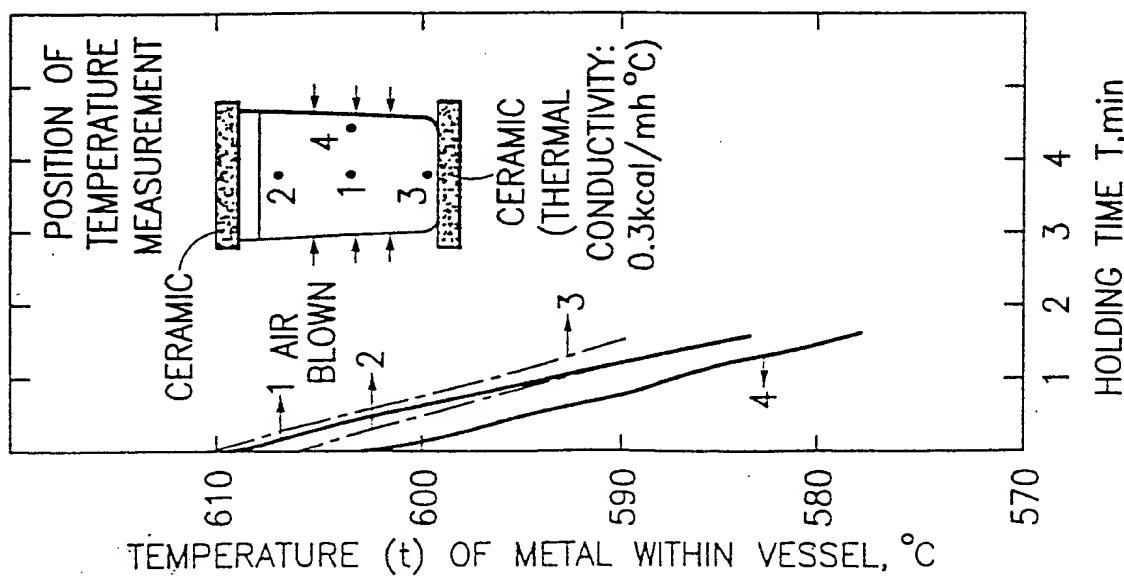
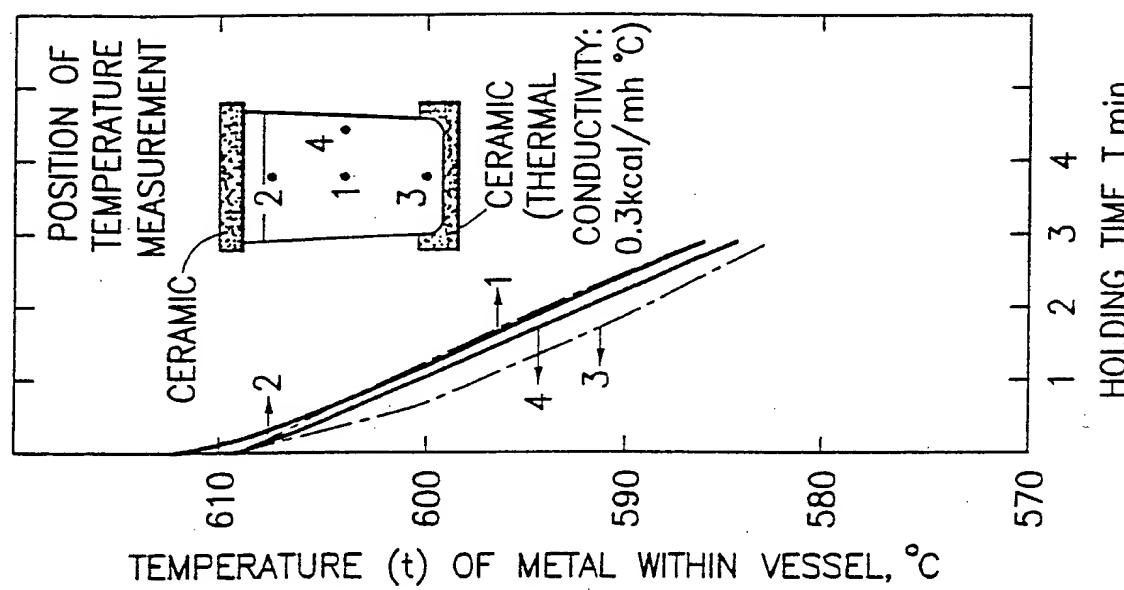
200 μ m

FIG. 7(b)



200 μ m

FIG. 8(b)
PRIOR ART



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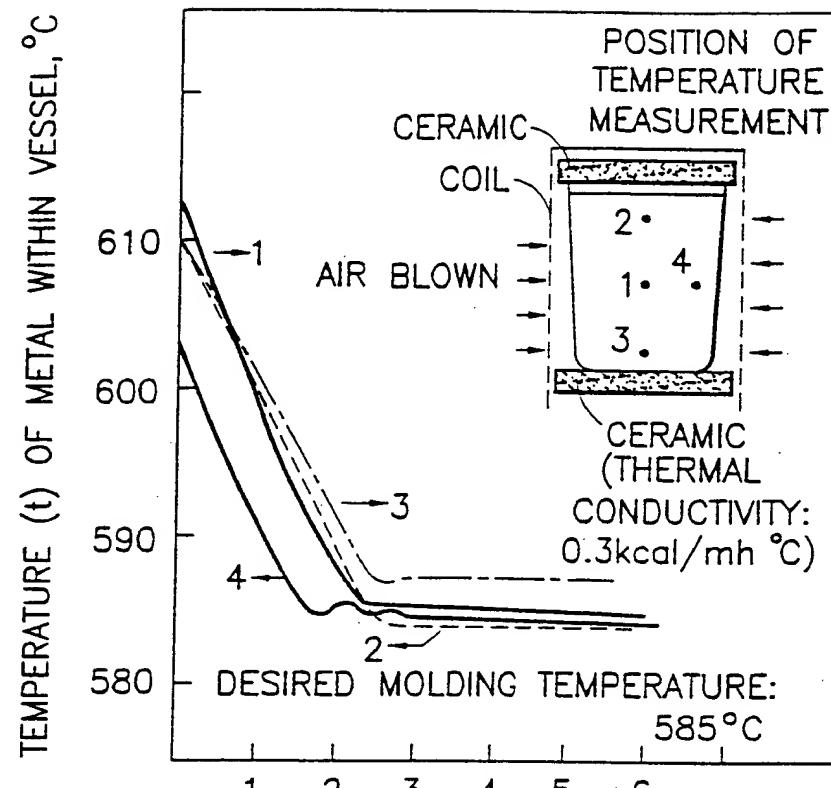


FIG. 76(a)

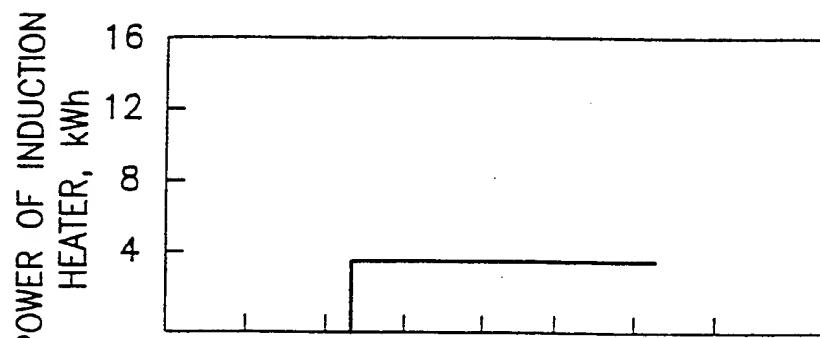


FIG. 76(b)

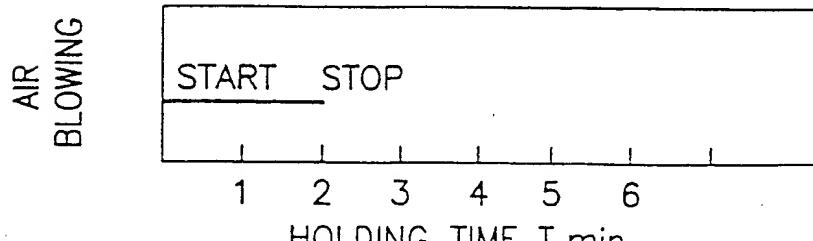
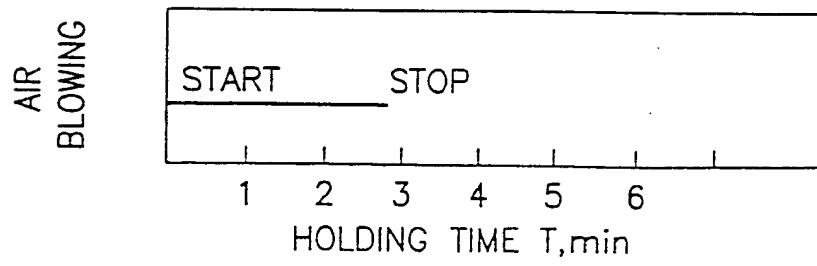
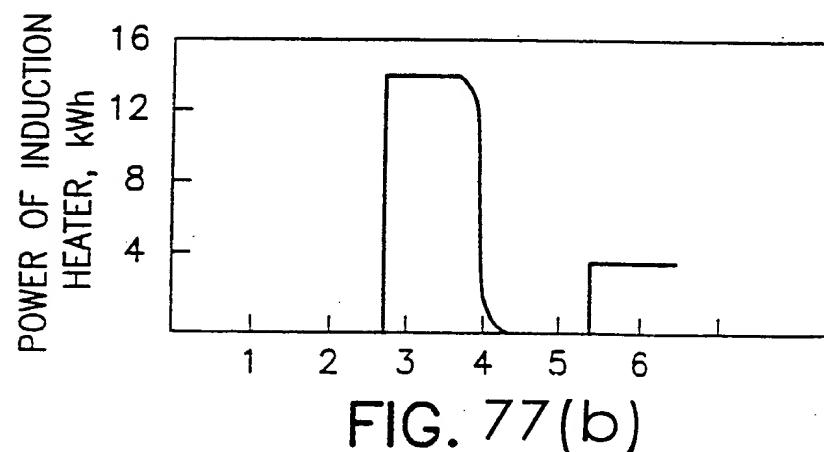
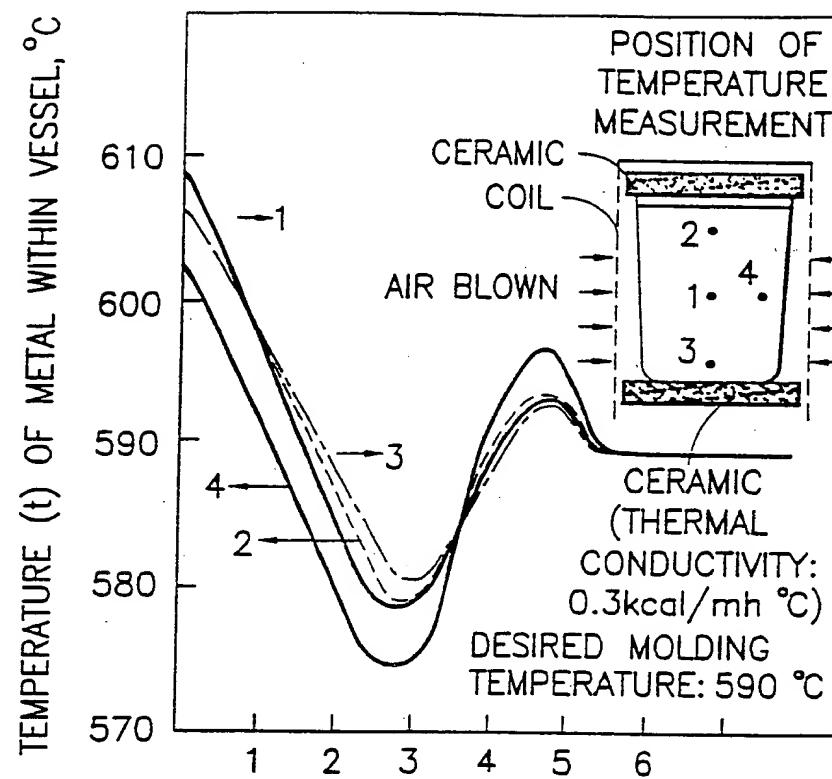
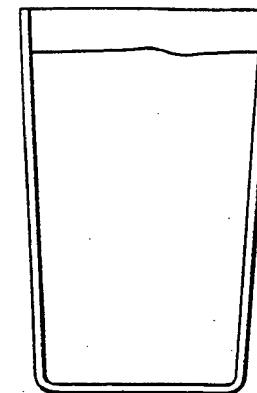


FIG. 76(c)

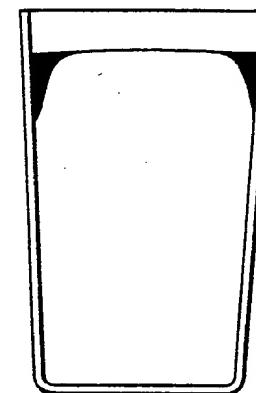


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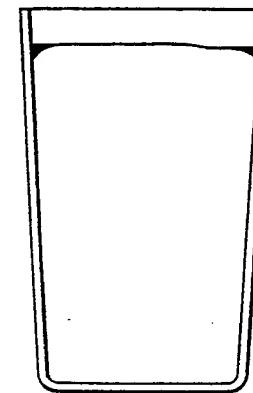
WHEN MOLDING TEMPERATURE IS REACHED

FIG. 78(a)



WHEN HEATED AND HELD WITH rf INDUCTION
HEATER (AT 8 kHz) FOR 20 min AFTER
MOLDING TEMPERATURE WAS REACHED

FIG. 78(b)

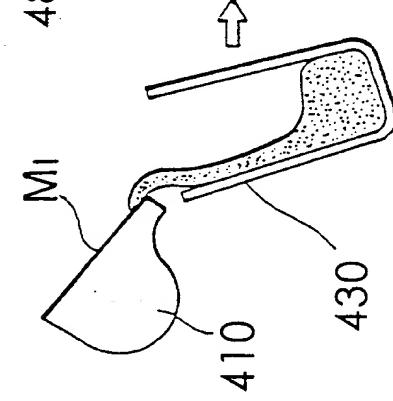


WHEN HEATED AND HELD WITH rf INDUCTION
HEATER (AT 40 kHz) FOR 20 min AFTER
MOLDING TEMPERATURE WAS REACHED

FIG. 78(c)

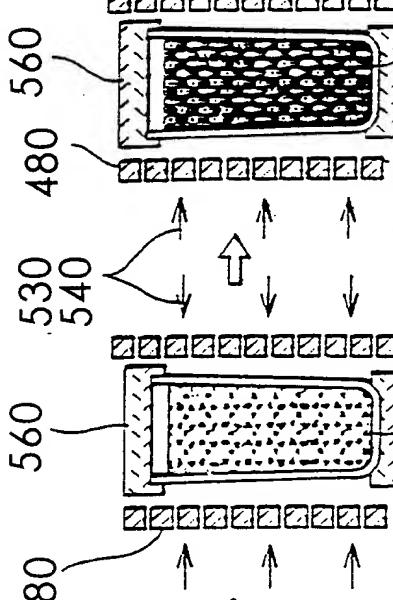
FIG. 79

Step [1] Step [2]

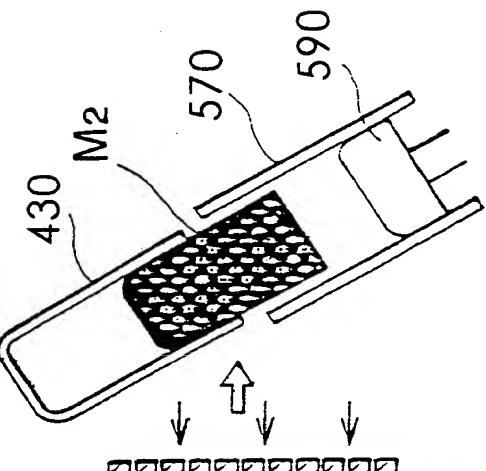


Step 3

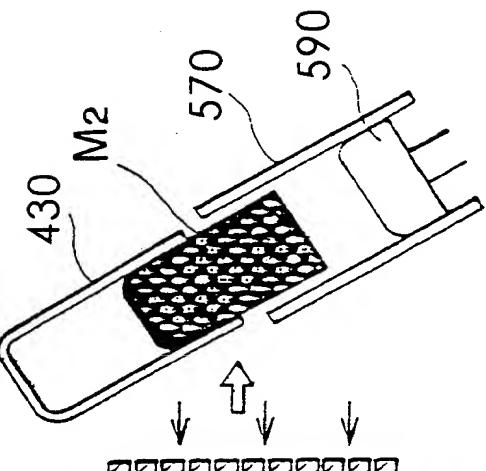
[3]-a



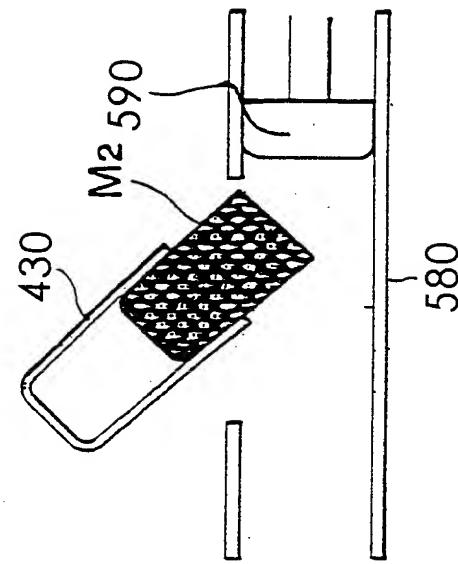
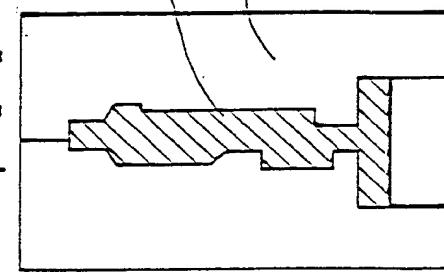
[3]-b



[3]-c



Step [4]



APPROVED	BY	FIG.
		CLASS
		SUBCLASS
DRAFTSMAN		

FIG. 80
AC4CH(Al-7Si-0.3Mg-0.15Ti)

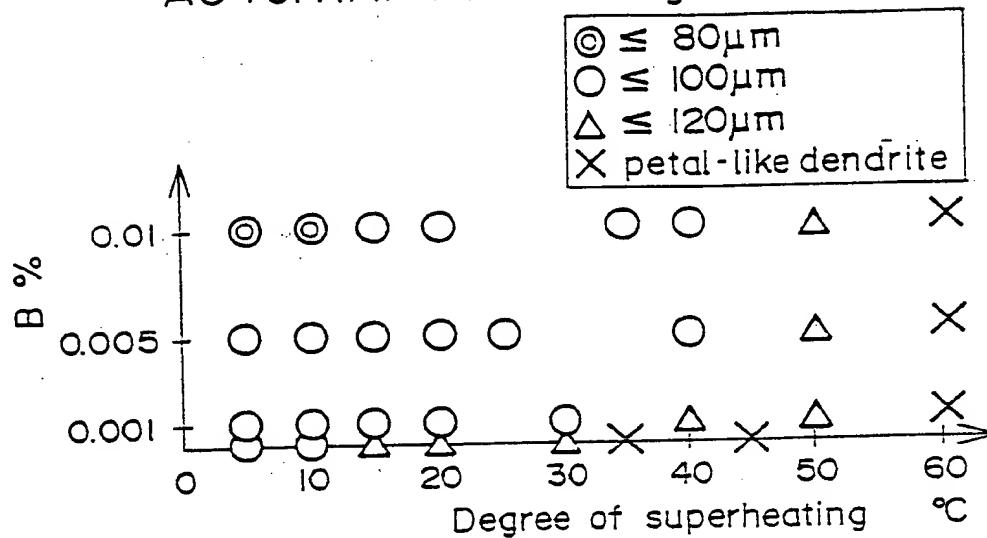
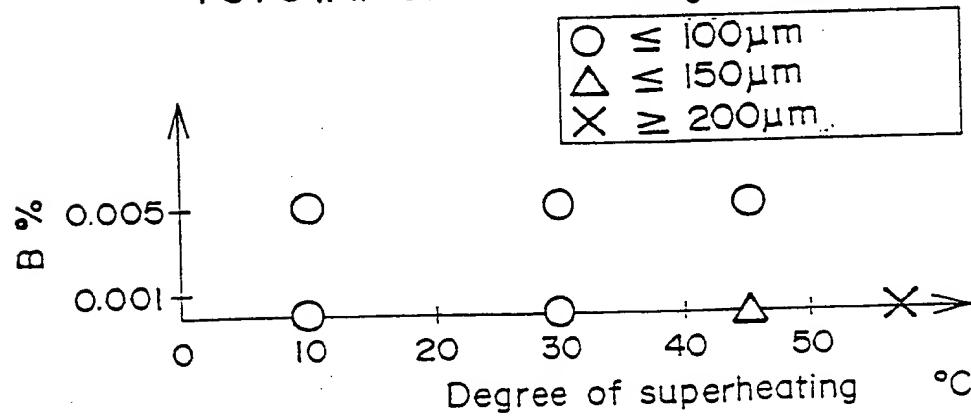


FIG. 81
7075(Al-5.5Zn-2.5Mg-1.6Cu-0.15Ti)



APPROVED	Q. A. T. G.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 82

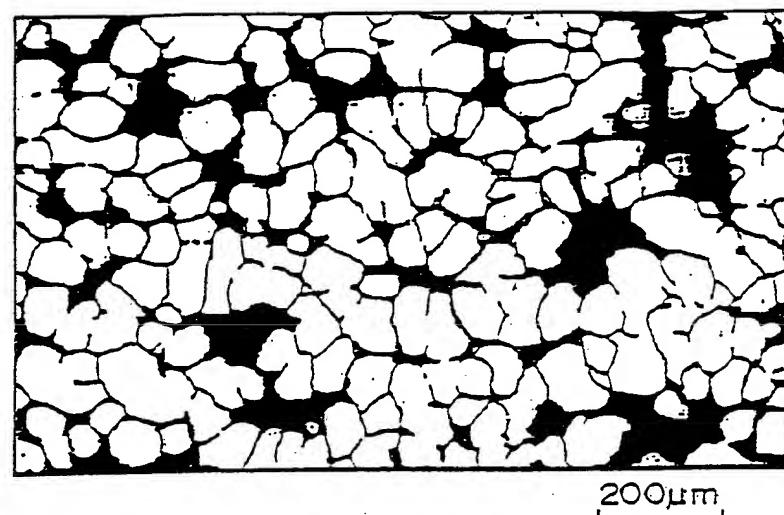
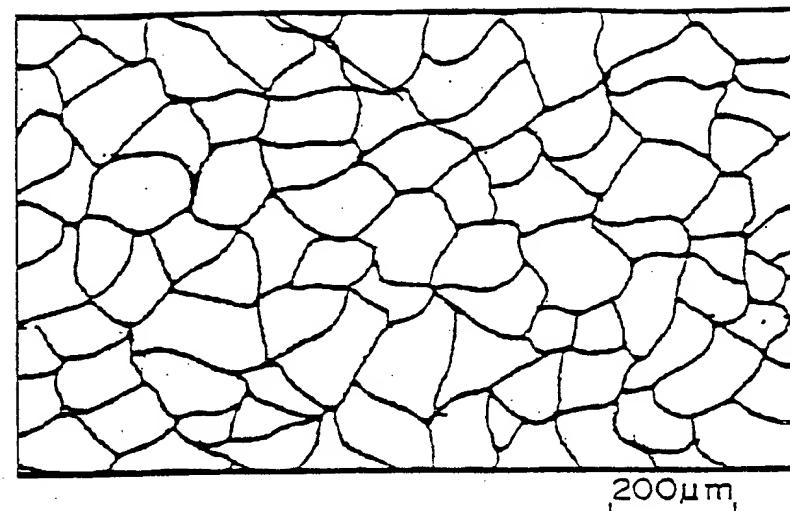
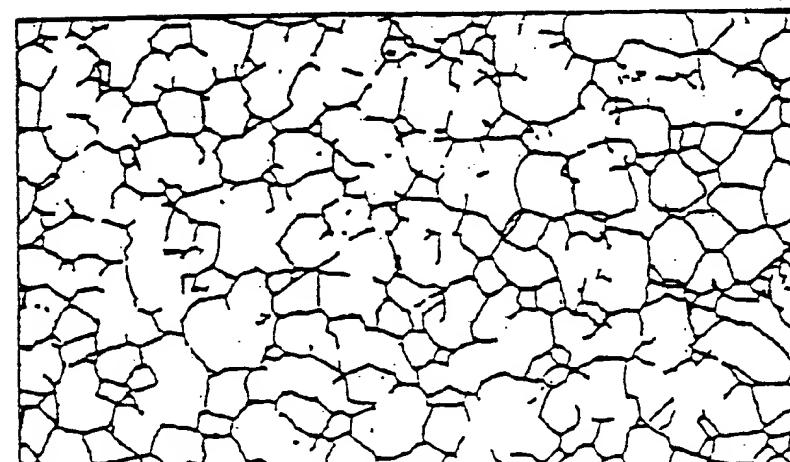


FIG. 83



200 μ m

FIG. 84



200 μ m

FIG. 85 Prior Art

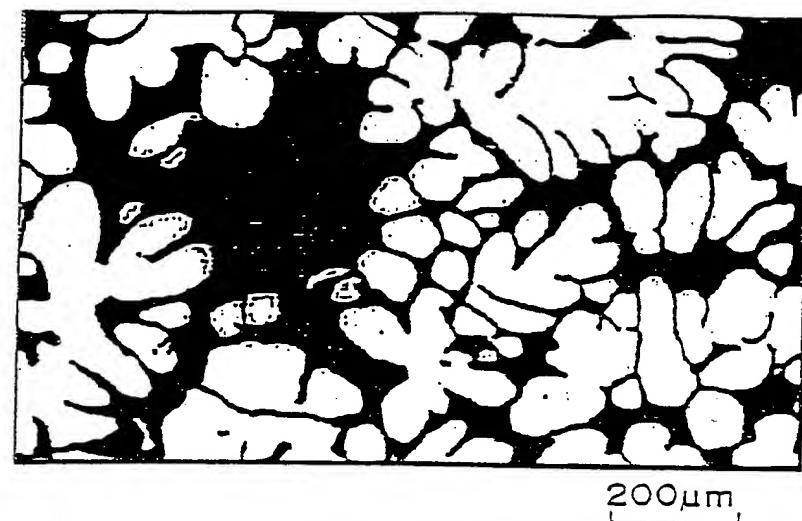


FIG. 86 Prior Art

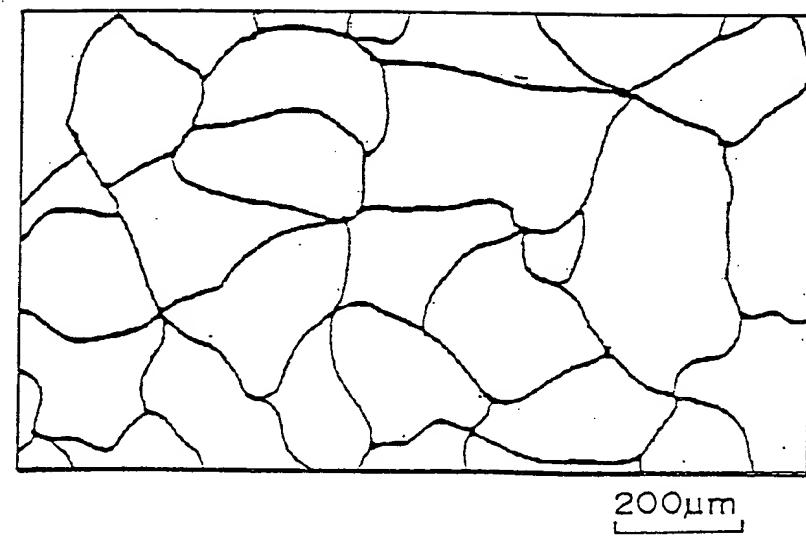


FIG. 87 Prior Art

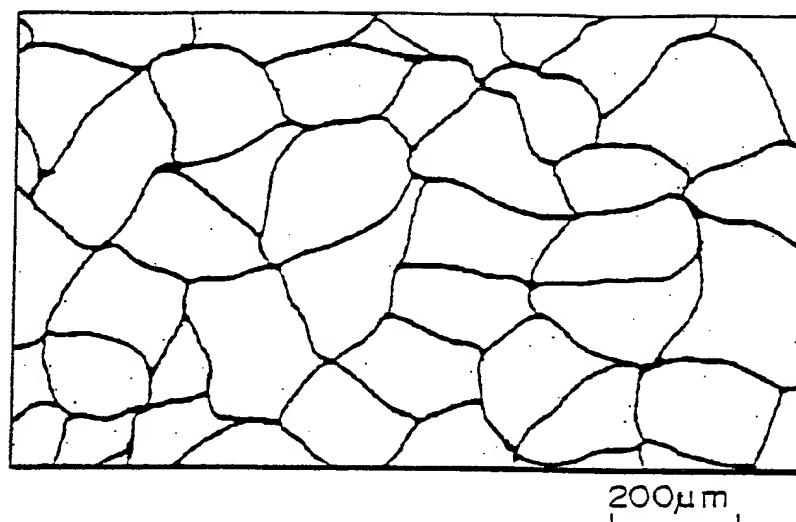


FIG. 88 Prior Art

